

DATE: 9-19-88

APPROVED BY: D.D.P.

DESIGN BY: K.R.K.

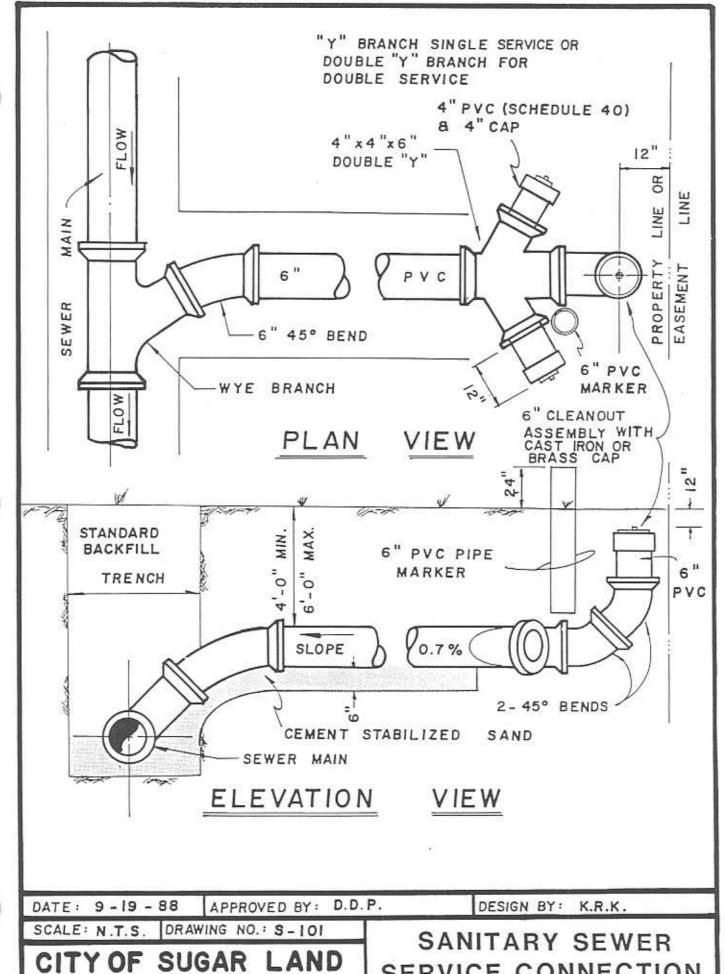
SCALE: N.T.S.

DRAWING NO.: S - 100

CITY OF SUGAR LAND

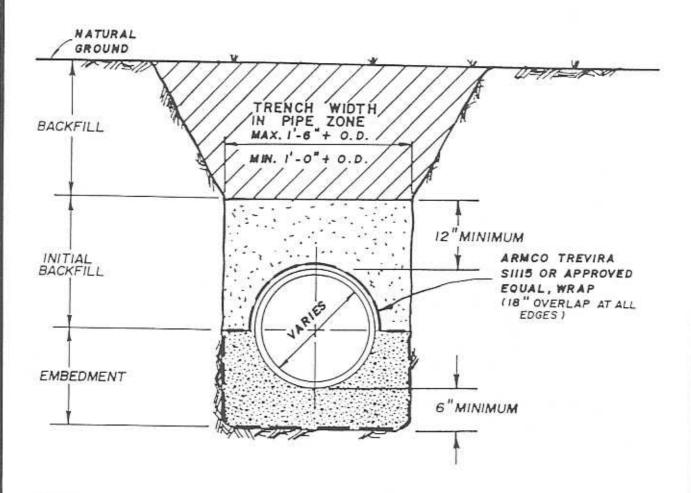
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER STACK



DEPARTMENT OF PUBLIC WORKS

SERVICE CONNECTION



#### NOTES:

- Embedment shall be washed shell, gravel, or approved granular material.
- Backfill shall be native material, free of debris, compacted to 80% Standard Proctor Density.
- Initial backfill shall be uniformly graded material (maximum size, 3" diameter), placed in 8" lifts and compacted to 90% Standard Proctor Density.
- 4. Under paving, the initial backfill and all backfill up to the pavement subgrade shall be cement stabilized sand (1.5 sacks per cubic yard minimum) compacted to 95% Standard Proctor Density.
- Trench shoring, in accordance with OSHA, shall be installed where required.
- Modified sewer bedding shall be used in wet ground conditions for non-cohesive soils with a shear strength less than 1000 psi.

DATE: 9-19 - 88

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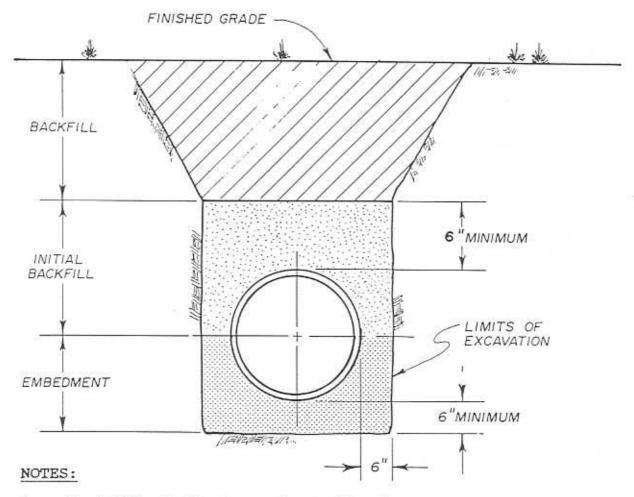
DESIGN BY: K.R.K.

SCALE: N.T.S.

DRAWING NO .: 5 - 102

### CITY OF SUGAR LAND DEPARTMENT OF PUBLIC WORKS

MODIFIED SEWER
BEDDING & BACKFILL



- Backfill shall be native soil, free of debris, compacted to 80% Standard Proctor Density.
- Initial backfill shall be uniformly graded material (maximum size, 3" diameter), placed in 8" lifts and compacted to 90% Standard Proctor Density.
- Embedment shall be cement stabilized sand (1.5 sacks per cubic yard) compacted to 95% Standard Proctor Density.
- 4. Under paving or within 3' of pavement, the initial backfill and all backfill up to the pavement subgrade shall be cement stabilized sand (1.5 sacks per cubic yard) compacted to 95% Standard Proctor Density.
- Trench shoring, in accordance with OSHA, shall be installed where required.
- Soil in the pipe zone shall consist of non-waterbearing, cohesive soils with a shear strength of 1000 psi or greater. When wet sand exists in the pipe zone, modified bedding shall be installed.

DATE: 9 - 19 - 88

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SCALE: N.T.S.

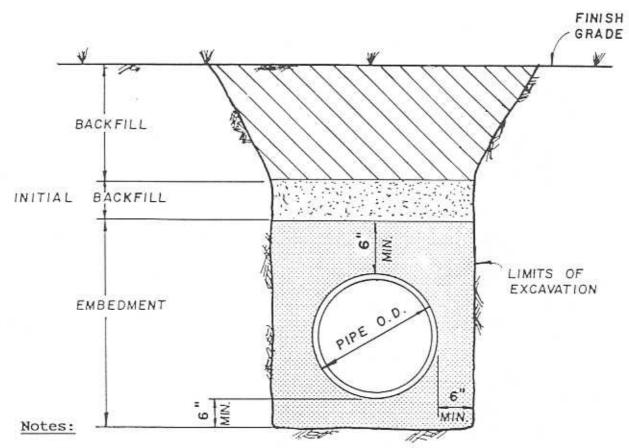
DRAWING NO.: S-103

## CITY OF SUGAR LAND

DEPARTMENT OF PUBLIC WORKS

### SANITARY SEWER BEDDING & BACKFILL

(FLOWLINE LESS THAN 8' DEEP)



- Backfill shall be native soil, free of debris, compacted to 80% Standard Proctor Density.
- Initial backfill shall be uniformly graded material (maximum size, 3" diameter), placed in 8" lifts and compacted to 90% Standard Proctor Density.
- Embedment shall be cement stabilized sand (1.5 sacks per cubic yard) compacted to 95% Standard Proctor Density.
- 4. Under paving or within 3' of pavement, the initial backfill and all backfill up to the pavement subgrade shall be cement stabilized sand (1.5 sacks per cubic yard) compacted to 95% Standard Proctor Density.
- Trench shoring, in accordance with OSHA, shall be installed where required.
- Soil in the pipe zone shall consist of non-waterbearing, cohesive soils with a shear strength of 1000 psi or greater. When wet sand exists in the pipe zone, modified bedding shall be installed.

DATE: 5-28-89

APPROVED BY: D.D.P.

DESIGN BY: K.R.K.

SCALE: N.T.S.

DRAWING NO.: S-104

# CITY OF SUGAR LAND DEPARTMENT OF PUBLIC WORKS

### SANITARY SEWER BEDDING & BACKFILL

(FLOWLINE GREATER THAN 8 DEEP)

